Menlo Park Notebook #215 [N-81-02-04]

This notebook covers the period February 1881. The entries are by Francis Jehl and consist of calculations relating to resistances of experimental lamps. The label on the front cover is marked "Experimental Lamps 2," "1881," and "Francis Jehl." There is an index on the inside front cover. The book contains 280 numbered pages.

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Feb. 4, 1881.

Order 130 – R 190

91 V – 18

Vols 108.67

48 C

Res. 18840 / 11000 | R

200 | 19940 | 99
1800
1940
1800
140

119
100
19 Chinese inserted.

130
100

109 | 13000 | 119
109
210
109
1810
981
29

Feb. 4 1881.
Order 130 – R 230
100 O – 12

Volts 12285 ✓

48 C

Res 18840 R
6000

200 / 2 48 40 / 124
200
484
400
840
800
40

130
124
520
260
130

131
124
7 Ohms inserted.

123 / 16120 / 131
123
382
369
130
123
7

Feb. 4 1881
Order 156 – R 385
No. 1

Volts 118.12 ✓

48 C

Res 18840
2400 R

200 / 2 6 24 0 / 106
200
1240
1200
40

138
106
780
138

117
106
11 Ohms inserted.

118 / 13780 / 116
118
198
118
800
708
92

Feb. 4 1881.
Order 37 – R225
No. 5

Volts 118.8

48 C

Res 18840 / 2300 | R

200 / 2114.0 / 106

130
106
7800

116
106
10 Ohms inserted.

130
119 / 13780 / 115
119
188
119
690
595
95

Feb. 4 1881.
Order 156 – R380
No. 2

118.12 V

48 C

18840
1500 R

200 / 20340 / 101 R
200
0140
200
140

102
101
11 Ohms inserted.

130
102
260
130
119 / 13260 / 111
119
136
119
170
119
51

Feb. 4 1881.
Order 37 – R 200
No. 6

116.77 v

48 C

~~118840~~
18840
1400 R 111.10

200/2 2 2 4 0/101
200
2 4 0
2 0 0
4 0

112
101
11 Ohms inserted.

130
101
130
130
117/13130/112
117
143
117
260
234
26

Feb. 4, 1881.
Order 37 – R 230
No. 4

118.12 v

48 C

18840
3400 R

200/2 2 2 4 0/111
200
2 2 4
2 0 0
2 4 0
2 0 0
4 0

122
111
11 Ohms inserted.

130
111
130
130
130
118/14430/122
118
263
236
270
236
34

Feb. 4, 1881.
Order 44 — R 280.

Volts 114.75

48 C

Res 18840
3200 R

```
200/22140/110
    200
     214
     200
      140
```

```
        126
        111
  130   111
  111
  130
  130
  130
115/14430/125
   115
    293
    230
     630
     575
      55
```

15 Ohms inserted.

Feb. 4, 1881.
Order 156 — R 390
No. 3

Volts 116.10

48 C

Res 18840
1200 R

```
200/20040/100
    200
      040
```

```
        112
        100
  130   100
  116
116/13000/112
    116
     140
     116
      240
      232
        8
```

12 Ohms inserted.

Feb. 4, 1881.
Order 37-R200
No. 7

Volts h. c. vacuum.

Res

Feb. 4, 1881.
Order 37-R195
No. 3

Volts. ~~[illegible]~~ 113.8.4

Res. 18840
800 R

48 C

200 / 19640 / 98
1800
1640
1600
40

130
98
1040
1170
111 / 12740 / 114
111
164
111
530
444
86

115
98
17 Ohms inserted.

Feb. 4 1881.
Order 45 – R233
92½ V – H

109.95 V

48 C

18840
1400 R

200 / 202 40 / 101
200
240
200
40

121
101
20 Ohms inserted.

130
101
130

130
109 / 13130 / 120
109
223
218
50

Feb. 4 1881
Order 156 – R365
No. 9

116.10 V

48 C

18840
1500 R

200 / 203 40 / 101
200
340
200
140

114
102
12 Ohms inserted.

130
102
260

130
116 / 13260 / 114
116
166
116
500
464
36

Feb. 4, 1881.
Order 156 — R 375
No. 4

111,34 V

18840
1500 R

200 / 20340 / 101
200
340
200
140

48 e

18 Ohms inserted.

Feb. 4, 1881.
Order 37 — R 205
No. 8

111,34 V

48 e

18840
1500 R

200 / 20340 / 101
200
340
200
140

120
102

18 Ohms inserted.

130
102
260

130
111 / 13260 / 119
111
216
111
1050
999
51

Feb. 4, 1881.
Order 37 – R 205
No. 2

111.34

48 C

15840
1700 R

200 / 20540 / 102
200
540
400
140

121
102
18 Ohms inserted.

130
103
390
130
111 / 13390 / 120
111
229
222
90

Feb. 4, 1881.
Order 155 –
11

57.33

48 C

6279
1300 R

200 / 7579 / 37
600
1579
1400
179

86
38
48 Ohms inserted.

130
38
1040
390
57 / 4940 / 86
456
380
342
38

Feb. 4, 1881.
Order 45-R262
113½ V-22

130 V

48 R

25127
3000 R
200/28127/140
200
812
800
127

130
140
5200
130
130/18200/140
130
520
520
0

140
0

Feb. 4, 1881.
Order 156-R410
No. 8

111.34 V

18840
2200 R
200/21040/105
200
1040
1000
40

123
105
18 Chains inserted.

130
105
650
130
111/13650/122
111
255
222
330
222
108

Feb. 4, 1881.
Order 156 – R 350
No. 5

108.5

18840
1800 | R
200 / 19340 / 96
1800
1340
1200
140

115
97
18 Ohms inserted

130
96
780
1170
109 / 12480 / 114
109
158
109
490
436
54

Feb. 4, 1881.
Order 37 – R 230
No. 1

114.75V

18840
3200 R
200 / 22040 / 110
200
204
200
40

130
110
1300
130
115 / 14300 / 124
115
280
230
500
460
40

110
14

14 Ohms inserted

Feb. 4, 1881.
Order 45 - R 278
No. 1

Feb. 4, 1881.
Order 156 - R 365
No. 7

114.75 V

18840 R

320 R

140 ohm coil

200 / 22040 / 110
200
204
200
40

124
110
14

115 : 130 : 110

130
110
1300
130
115) 14300 (124
115
2600
2300
500

Feb. 4, 1881.
Order 156 — R 340
No. 6

111.245

1840 R
800 R

200 | 19640 | 98. 17 ohms insert
1800
1640
1600
40

111.130 :: 98 : 98 : x

130
98
1040
1170

115
98
17

111 | 12740 | 114
111
164
111
530

$\frac{A \times R}{E} - R = 17$

Feb. 4, 1881.
Order 141-R295
12

30 @ at 1205
high R.

Feb. 4, 1881.
Order 141-R240
14

124,835

18840
36000 R

```
200/22440/112
    200
     244
     200
      440
      400
       40
```

117
112
5 Ohms inserted

```
    130
    112
    260
   130
   130
125/14560/116
   125
    206
    125
     810
     750
      60
```

Feb. 4, 1881.
Order 141 — R 245
2.6 (A)

124.83 U

1884.0
3600 R
200 | 22440
112

— 5 Ohms inserted

Feb. 4, 1881.
Order 141 — R 240
15

124.83 U

1884.0
3600 R
200 | 2244.0 | 1
200
244
200
44 ÷ 10

— 5 Ohms inserted

Feb. 4, 1881.
Order 141 — R 285
3

130 V

25127 R

Feb. 4, 1881.
Order 141 — R 285
4

130 V

25127
600
R

200) 25727 (123
200
572
400
727

Feb. 4. 1881.
Order 141 — R 295
28

130 ✓

25127 R

Feb. 4 1881.
Order 141 — R 240 ( )
26 (R)

121.50 ✓

18840
3600 R

200 / 22440 / 112
200
244
200
440
400
40

119
112
7 Ohms inserted.

130
112
260
130
130
122 / 14560 / 119
122
236
122
1140
1098
44

Feb. 4 1881
Order 141 — R 300
14

130 ✓

18540
9600 R
200 | 28440 (
142

Feb. 4 1881.
Order 141 — R 280
18

126.90 ✓

18540
4600 R
200 | 23440 / 117
200
344
200
1440
1400
40

120
117
3 Ohms inserted.

130
117
910
130
130
127 | 15210 / 119
127
251
127
1240
1143
97

Feb. 4, 1881.
Order 141 – R 245
7

126.9 V

18840
4600 | R = 3 Ohms inserted.
200 | 23 440
117

Feb. 4, 1881.
Order 140 –
3.7

130 V

18840
6100 | R
200 | 24940
129

Feb. 4. 1881.
Order 141 – R 380
11

130 ✓

18540
8500 R

200 / 2 7 3 4 0 / 136
2 0 0
7 3 4
6 0 0
1 3 4 0
1 2 0 0
1 4 0

130
137
9 1 0
3 9 0
1 3 0

130 / 1 7 8 1 0 / 137
1 3 0
4 8 1
3 9 0
9 1 0
9 1 0

Feb. 4. 1881.
Order 140 – R
No. 2

124.83 ✓

18540
4500 R

200 / 2 3 6 4 0 / 118
2 0 0
3 6 4
2 0 0
1 6 4 0
1 6 0 0
4 0

123
118
5 Ones inserted

130
118
1 0 4 0
1 3 0
1 3 0

125 / 1 5 3 4 0 / 122
1 2 5
2 8 4
2 5 0
3 4 0
2 5 0
9 0

Feb. 4 1881.
Order 140 = R 320
24

130 ✓

18540
5300 R
~~200~~ | 25440
127

Feb. 4, 1881.
Order 140
No. 7

126.22 ✓

18540
5300 R
200 | 241140 | 120
200
414.
400
140 125
120
5 Ohms inserted.
130
120
130
260
130
126 | 15730 | 125
126
313
252
610
610

Feb. 4, 1881.
Order 140 — R 360
23

130 ✓ 32 C

25127
4600 R
200 | 29727
148

N. G.

Feb. 4, 1881.
Order 140 — R 350
10

130 ✓

25127
3000 R
200 | 28127
140

Feb. 4, 1881.
Order 140
30

126.90 √

25127
30.0 R

200 / 25427 / 127
200
542
400
1427
1400
27

130
127
3 Ohms inserted

130
127
910
260
130

127 / 16510 / 130
127
381
381
0

Feb. 4, 1881.
Order 140.
No. 31

123.52 √

18840
3700 R

200 / 22640 / 113
200
264
200
640
600
40

130
113
390
130
130

124 / 14690 / 118
124
229
124
1050
992
58

119
113
6 Ohms inserted.

Feb. 4, 1881.
Order 149-R
No. 32

126.22 V

18540
4800 R

200/23640/118
200
364
200
1640
1600
40

118
122
6 Ohms inserted.

130
118
1040
130
130

126/15340/121
126
274
252
220
126
94

Feb. 4, 1881.
Order 140-R
No. 33

124.20 V

18540
4100 R

200/22940/114
200
294
200
940
800
140

121
115
6 Ohms inserted.

130
115
650
130
130

124/14950/120
124
255
248
70

Feb. 4, 1881.
Order 140
No. 34

124.835

18540
4800 R

200/23640/118
200
3640
200
1640
1600
40

123
118
5 Ohms inserted.

130
118
1040
130
130

125/15340/122
125
284
250
340
250
90

Feb. 4, 1881.
Order 140
No. 35

124.835

18540
4900 R

200/23740/118
200
374
200
1740
1600
140

124
118
6 Ohms inserted.

130
119
1170
130
130

125/15470/123
125
297
250
470
375
95

Feb. 4 1881.
Order 140 –
No. 36

119.4 / V

```
      18640
       4700 | R
200 / 23540 / 117
      200
       354
       200
       1540      129
       1400      118
        140      11 Ohms inserted
        130
        118
       10140
        130
         30
119 / 15340 / 128
      119
       3440
       238
       1060
        952
         112
```


Feb. 4, 1881.
Order 140 – R. 8440
25

130 V

25127 / 500 R.

at 36 C

W. S.

Feb. 4 1881.
Order 140 — R 320
24

128.25 U

25.127
800 R

200/3312/16
200
1312
1200
112

17
16
1 Chms inserted.

130
17
910
130
128/2210/17
128
930
896
34

Feb. 4. 1881.
Order 140 — R 345
29

122.85

18840
4200 R

200/23040/115
200
3040
2000
10140
1000
40

117
115
2 Chms inserted.

130
115
650
130
130
128/14950/116
128
215
128
870
768
102

Feb. 4, 1881.
Order 140 — R 335
1 ⑤

1305

18540
5000 R

200 | 26 34
131

Feb. 4, 1881.
Order 140.
9

1305

18540
5000 R

200 | 23 8 40
119 Ohm

Feb. 4, 1881.
Order 140 — R 310
16

130 ✓

18440
5000 R

200 / 26840 / 134
200
684
600
840
800
40

130
134
524

390
130

130 / 17424 / 134
130
442
390
524
520
4

Feb. 4, 1881.
Order 140 / (A)

121.50 ✓

18849 R
3500

200 / 22340 / 111
200
234
200
340
200
140

119
112
7 Ones inserted.

138
112
260
138
130

122 / 14560 / 119
122
236
122
1140
1098
42

Feb. 5, 1881.
Order 39-R335
No. 11

118.125

18840
3800 R

200/22640/113
200
264
200
640
600
40

125
113
12 Ohms inserted.

130
113
390
130
130

118/14690/124
118
289
236
530
472
58

Feb. 5, 1881.
Order 39-R296
No. 13

118.125

18840
4100 R

200/22940/114
200
294
200
940
800
140

127
115
12 Ohms inserted.

130
115
650
130
130

118/14950/126
118
315
236
790
708
82

Feb. 5, 1881.
Order 39 – R 305
12

114.75 ✓

18840 R
3500

200 / 22340 / 111
200
234
200
3400
200
1400

127
112
15 Ohms inserted.

130
112
260
130
130
115 / 14560 / 126
115
306
230
760
690
70

Feb. 5, 1881.
Order 39 – R 310
21

114.75

18840 R
3500

200 / 22340 / 111
200
234
200
3400
200
1400

127
112
15 Ohms inserted

130
114
115 / 14560
127

Feb. 5, 1881.
Order 39 – R 295
20

114.75 V

18840
3900 R

200 / 22740 / 113
200
274
200
740
600
140

129
114
15 Ohms inserted.

130
114
520
130
130

115 / 14820 / 128
115
332
230
1020
920
100

Feb. 5 1881.
Order 39 – R 325
2

121.50 V

18840
3900 R

200 / 22740 / 113
200
274
200
740
600
140

122
114
8 Ohms inserted.

130
114
122 / 14820
122

Feb. 5, 1881.
Order 39—R325
28

118.125

18840
4200 R

200 / 23040 / 115
200
304
200
1040
1000
40

130
115
655
138
130
118 / 14955 / 126
118
355
236
795
708
87

127
115
12 Ohms inserted.

Feb. 5 1881.
Order 39—R325
1

118.125

18840
3200 R

200 / 22140 / 110
200
214
200
140

122
111
11 Ohms inserted.

130
111
130
130
130
118 / 14430 / 122
118
263
236
270
236
34

Feb. 5, 1881.
Order 39-R 290
29

118.112 V

18840
3800 R

200/22640/113
200
264
200
640
600
40

125
113
12 Ohms inserted

130
113
390
130
130
118/14690/124
118
289
236
530
472
58

Feb. 5, 1881.
Order 32-R 280
103½ Ω-H

122.117 V

18840
6200 R

200/250040/125
200
504
400
1040
1000
40

133
125
8 Ohms inserted.

130
125
650
260
130
122/16250/133
122
405
366
390
366
24

Feb. 5, 1881.
Order 32 – R 290
100 V – 7

118.80 V

18540
5200 R

200 / 24040 / 120
200
404
400
40
40 R

130
120
2600
130
119 / 1560 / 131
119
370
357
130
119
11

131
120
11 Ohms inserted.

Feb. 5, 1881.
Order 32 – R 280
105 V – 2

124.80 V

18540
7600 R

200 / 26440 / 132
200
6440
4800
1640
1600
40

130
132
260
390
130
125 / 17160 / 137
125
466
375
910
875
35

137
132
5 Ohms inserted.

Feb. 5, 1881.
Order 32 – R 280
105 V – 20 (A)

122.85 V

18840
5400 R

200 / 24240 / 121
200
424
400
240
240
46 C
40

130
121
130
260
130

128
121
7 Ohms inserted.

123 / 15730 / 127
123
343
246
970
861
109

Feb. 5, 1881.
Order 32 – R 285
99 V – 18

118.12 V

18840
5900 R

200 / 24740 / 123
200
474
400
740
600
140
48 C

130
124
520
260
130

137
124
13 Ohms inserted.

118 / 16120 / 136
118
432
354
780
708
72

Feb. 5, 1881.
Order 32-R 298
103 V-13

121.50 V

18840
6200 R

250 40

48 C

200/25040/125
200
504
400
1040
1000
40

130
125
5 Chums inserted.

130
125
650
260
130
122/16250/133
122
405
366
390
366
24

Feb. 5, 1881.
Order 32-R
14

122.80 V

18840
7100 R

259 40

48 C

200/25940/129
200
594
400
1940
1800
140

137
130
7 Chums inserted.

130
130
3900
130
123/16900/137
123
460
369
910
861
49

Feb. 5, 1881.
Order 32-R295
96 U-20 (B)

118,112 V

18840
5200 R

200 / 24040 / 120
200
404
400
40

48 C

132
120
12 Ohms inserted.

130
120
2600
130
118 / 15600 / 132
118
380
354
260
236
24

Feb. 5, 1881.
Order 32-R295
95½ U-23

120,182 V

18840
5200 R

24040

48 C

200 / 24040 / 120
200
404
400
40

129
120
9 Ohms inserted.

130
120
2600
130
121 / 15600 / 128
121
350
~~242~~
1080
968
112

Feb. 5, 1881.
Order 32-R 275
98 U-21

117.45 V

18840
4700 R
23540

45 C

200/23540/117
200
354
200
1540
1400
140

130
118
1040
130
130

117/15340/131
117
364
351
130
117
13

131
118
13 Ohms inverted.

Feb. 5, 1881.
Order 32-R 310
100½ U-14

118.12 V

18840
5200 R

200/124070/1020
200
484
400
40

45 C

130
120
2600
130

118/15600/132
118
380
354
260
236
24

132
120
12 Ohms inverted.

Feb. 5, 1881.
Order 32 – R 315
102 V – 8

121.50 V

18840
7300 R

200/26140/130
200
614
600
45 140

131
130
3930
131
122/17030/139
122
4830
3660
1170
1098
72

140
131
9 Ohms inserted.

Feb. 5, 1881.
Order 32 – R 265
99 V – 25

118.12 V

18840
4500 R

200/23340/116.
200
3340
200
1340
1200
140

45

130
117
910
130
130
118/15210/128
118
3410
2360
1050
944
106

129
117
12 Ohms inserted

Feb. 5, 1881.
Order 32 – R 290
101½ Ω – 7

118.12 V

18840
6500 R

200 / 25340 / 126
200
5340
400
1340
1200
140

130
127
910
260
130

118 / 16510 / 139
118
471
354
1170
1062
108

140
127
13 Ohms inserted.

Feb. 5, 1881.
Order 32 – R 275
100½ Ω – 7

118.12 V

18840
5500 R

24340

48 C

200 / 24340 / 121
200
4340
400
3340
2200
1140
130
122
260
260
130

118 / 15860 / 134
118
406
354
520
472
48

134
122
12 Ohms inserted

Feb. 5, 1881.
Order 32-R 295
105 V-26

122.85 V

18540
7100 R

25940

45 C

200/25940/129
206
594
400
1940
1800
140

138
130
8 Ohms inserted.

130
130
3900
130
129/16900/137
129
460
369
910
861
49

Feb. 5, 1881.
Order 32-R 270
103 V-3

122.17 V

18540
6600 R

25440

45 C

200/25440/127
200
544
400
1440
1400
40

130
127
910
160
130
122/15510/127
122
331
244
870
854
16

Feb. 5, 1881.
Order 32 — R295
106 V — 4

121.50 V

18840
71000 R
25940

48 C

200/25940/129
200
594
400
1940
1800
140

139
130
9 Ohms inserted.

130
130
3900
130
122/16900/138
122
470
366
1040
976
64

Feb. 5, 1881.
Order 32 — R290
-27

120.15 V

18840
51000 R

200/23940/119
200
394
200
1940
1800
140

48 C

130
120
2600
130
120/15600/130
120
360
360
0

130
120
10 Ohms inserted

Feb. 5, 1881.
Order 139 - R450
High - 1

130 ✓ 13 C

37687 | R
3000

200 / 40687 / 203
400
687
600
87

130
203
390
260

130 / 26390 / 203
200
390
390

Feb. 5, 1881.
Order 139 - R420
High - 5

Went up in the Plow, room.

Feb. 5, 1881.
Order 139 - R 415
High - 2

130 v 25 c

31406
3000

200 / 34406 / 172
200
1440
1400
406
400
6

130
172
260
910
130

130 / 22360 / 172
130
936
910
260
260

Feb. 5, 1881.
Order 139 - R 410
High - 13

130 v 19 c

31406
4200

200 / 35606 / 1780
200
1560
1400
1600
1600
6

130
1780
10400
918
130

130 / 231400 / 1780
130
1014
910
1040
1040
0

Feb. 5, 1881.
Order 139 - R 400
10

130 V

16 C

31406
3200 R

200/34606/173
200
1460
1400
606
600
6

130
173
390
910
130

130/22490/173
130
940
910
390
390

Feb. 5, 1881.
Order 146 - R 275
No. 7

130 V

48 C

18540
5800 R

200/24640/123
200
464
400
640
600
40

123
130
3690
123

130/15990/123
130
299
260
390
390

Feb. 5, 1881.
Order 146 R 270
No. 6

130 V 48 C

18840
69000 R

200 / 25740 / 128
200
574
400
1740
1600
140

130
129
1170
260
130

130 / 16770 / 129
130
377
260
1170
1170

Feb. 5, 1881.
Order 146 R 290
No. 5

130 V

35 C

18840
7700 R

200 / 26540 / 132
200
654
600
540
400
140

130
133
390
390
130

130 / 17290 / 133
130
429
390
390
390

Feb. 5, 1881.
Order 146 - R285
No. 4

130 ✓

18840
6100 R

200 / 24940 / 124
200
4940
4000
940
800
140

48 ✓

130
125
650
260
130

130 / 16250 / 125
130
325
260
650
650

Feb. 5, 1881.
Order 146 - R280
No. 3

130 ✓ 38 C

18840
8200 R

200 / 27040 / 135
200
7040
6000
1040
1000
40

130
135
655
390
130

130 / 17550 / 135
130
455
390
650
650

Feb. 5, 1881.
Order 146 — R 260
No. 2

126.90 ✓

48 C

18840
6500 R

200 / 25340 / 126
200
534
400
1340
1200
140

130
127
910
260
130

130
127
3 Ohms inserted.

127 / 16510 / 130
127
381
381
0

Feb. 5, 1881.
Order 146 — R 265
No. 1

126.90 ✓

48 C

18840
6000 R

200 / 24840 / 124
200
484
400
840
800
40

130
124
520
260
130

127
124
3 Ohms inserted.

127 / 16120 / 126
127
342
254
880
762
118

Feb. 5, 1881.
Order 123 — R 300
112½ V — 16

Crushed Carbon.

Feb. 5, 1881.
Order 123 — R 310
118½ V — 28 *

1.30 V 20 C

25127
7000

200 / 3 2 6 2 7 / 163
200
1262
1200
627
600
27

130
163
390
780
130

130 / 2 1 1 9 0 / 163
130
819
780
390
390

Feb. 5, 1881.
Order 123 – R 315
115 U – 10

130 v 22 c

25127
6000 R

200 / 31127 / 155
200
1112
1000
1127
1000
127

130
156
780
650
130
130 / 20280 / 156
130
728
650
780
780

Feb. 5, 1881.
Order 123 – R 295
115½ U – 18

130 v 26 c

25127
30000 R

200 / 28127 / 140
200
812
800
127

130
141
130
520
130
130 / 18330 / 141
130
533
520
130
130

Feb. 5, 1881.
Order 123 – R
115½ U-10 (B)

130 ✓ 23 ℄

25127
5700 R

200 / 30827 / 154
200
1082
1000
827
800
27

130
154
520
650
130

130 / 20020 / 154
130
702
650
520
520

Feb. 5, 1881.
Order 124 – R 255
100½ U-9

121.50 ✓ 48 ℄

18840
4000 R

200 / 22840 / 114
200
284
200
840
800
40

130
114
520
130
130

122 / 14820 / 121
122
262
244
180
122
58

122
114
8 Ohms inserted

Feb. 5, 1881.
Order-124-R245
103½ J-20

122855

48 C

18840
3000 R

200/218 40/109
200
1840
1800
40

130
109
1170
130
120/1170/115
120
187
123
640
615
25

115
109
6 Ohms inserted.

Feb. 5, 1881.
Order 124-R245
103½ J-11

124185

48 C

18840
3000 R

200/218 40/109
200
1840
1800
40

130
109
1170
130
125/1170/113
125
167
125
420
375
45

113
109
4 Ohms inserted.

Feb. 5, 1881.
Order 124—R 275
108½ V—24

130 V 48 C

18840
6700 R

200 / 25540 / 127
200
554
400
1540
1400
140

130
128
1040
260
130

130 / 16640 / 128
130
364
260
1040
1040

Feb. 5, 1881.
Order 124—R 280
112½ V—29

126·90 V

18840 R 48 C
6000

200 / 24840 / 124
200
484
400
840
800
40

127
124
3 Chus inserto.

130 / 124
520
260
130

127 / 16120 / 126
127
342
254
880
762
118

Feb. 5, 1881.
Order 124 — R 230
98 V — 2

119.47 V 48 C

18840
1800

200 / 23140 / 10
200
140
130
11
130
130
119 / 1430 / 12
119
240
238
2

12
11
1 Ohm inserted.

Feb. 5, 1881.
Order 124 — R 250
99½ V — 12

119.47 V

18840
4200

200 / 23140 / 115
200
3140
2000
1140
1000
140
130
115
650
130
130
119 / 1495 / 125
119
305
238
670
595
75

126
115
11 Ohms inserted.

Feb. 5, 1881.
Order 124 – R 275
102½ V – 23

120.15 V

48 C

18540
5300 R

200 / 24140 / 120
200
414
400
140

130
121
130

131
121
10 Ohms inserted.

260
130

120 / 15730 / 131
120
373
360
130
120
10

Feb. 5, 1881.
Order 124 – R 290
101½ V – 15

120.82 V

48 C

18540
5300 R

200 / 24140 / 120
200
414
400
140

130
121
130

130
121
9 Ohms inserted.

260
130

121 / 15730 / 130
121
363
363
0

Feb. 5, 1881.
Order 124 — R 260
99½ V-8

121.50 V 48 C

18840
3600 R

200 / 22440 / 112
200
244
200
440
400
40

130
112
260
100
130
122 / 14560 / 119
122
236
122
1140
1098
42

119
112
7 Ohms inserted.

Feb. 5, 1881.
Order 124 — R 250
105 V-21

121.50 V 48 C

18840
4200 R

200 / 23040 / 115
200
304
200
1040
1000
40

130
115
150
130
20
122 / 14950 / 122
122
275
244
310
244
66

123
115
8 Ohms inserted.

Feb. 5, 1881.
Order 124-R 255
91/2 U-19

116125 48 e

18840
3400 R

200/22240/111
200
224
200
240
200
40

130
115
130
130
130

122
111
11 Chms inserted.

118/14430/122
118
263
236
270
236
34

Feb. 5, 1881.
Order 124-R 255
104 U-14

120115 48 e

18840
4200 R

200/23040/115
200
304
200
1040
1000
40

130
115
650
130
130

125
115
10 Ohms inserted.

120/17950/124
120
295
240
550
480
70

Feb. 5, 1881.
Order 124 — R 285
105/2 V — 20

120.15 V

48 C

18840
4700 R

200 / 23540 / 117
200
354
200
1540
1400
140

130
118
1040
130
130

120 / 15340 / 127
120
340
240
940
840
100

126
118
10 Ohms inserted.

Feb. 5, 1881.
Order 48 — R 270
106 V — 4

124.83 V

18840
3000 R

200 / 21840 / 109
200
1840
1800
40

130
109
1170
130

125 / 14170 / 113
125
167
125
420
375
45

4 C

113
109
4 Ohms inserted

Feb. 5, 1881.
Order 48—R 300
104 1/2 V—7

Feb. 5, 1881.
Order 48—R 285
100 1/2 V—6

Feb. 5, 1881.
Order 48 — R 280
103½ U-7

Feb. 5, 1881.
Order 48 — R 275
99½ U-14

Feb. 5. 1881.
Order 47—R 210
96½ V—8

114.75 Volts

18840
1000

200/19840/99

48 C

1800
1840
1800
40

112
99
13 Ohms inserted.

130
99
1170
1170

115/12870/111

115
137
115
220
115
105

Feb. 5. 1881.
Order 47—R 225
95 V—9

116.10 Volts

18840
2200

250/21040/105

48 C

200/21040/105

200
1040
1000
40

118
105
13 Ohms inserted.

130
105
650
130

116/13650/117

116
205
116
890
812
68

Feb. 5, 1881.
Order 144-R225
1060-23

Feb. 5, 1881.
Order 144-R305
2

Feb. 5, 1881.
Order 144-R 340
116 J-15

Feb. 5, 1881.
Order 144-R
3

Feb. 5, 1881.
Order 144 — R 2.70
103½ V — 2.7

Feb. 5, 1881.
Order 144 — R 2.40
112½ V — 11

Feb. 5, 1881.
Order 1444-R 260
22

Feb. 5, 1881.
Order 1444-R 285
111½ U-17

Feb. 5, 1881.
Order 144-R 330
114½ J-6

Feb. 5, 1881.
Order 144-R 310
6

Feb. 5, 1881.
Order 1444—R 290
1110-18

Feb. 5, 1881.
Order 1444—R 230
4

Feb. 5, 1881.
Order 144 — R 2.50
28

Feb. 5, 1881.
Order 144 — R 2.25
111½ C 9

Feb. 5, 1881.
Order 144-R 270
99½ U-26.

Feb. 5 1881
Order 144-R 290
29

Feb. 7, 1881.
Order 129 – High
114

this one carbon is bad

Feb. 7, 1881.
Order 47 – R 235
97 V – 19

114.75 V

188.40
3000 R

48 e

Feb. 7, 1881.
Order 43 - R 275
118 U - 17

130 U 35 C

25127
3300 R

200 | 28427
142

Feb. 7, 1881.
Order 47 - R 225
99 U - 12

118.12 U

1884.0
2800 R

200 | 21640
108

48 C

Feb. 7, 1881.
Order 47 — R 225
96 V — 10

120, 15 V

188 40
1100 R

200 | 1994 0
48 C 99.

Feb. 7, 1881.
Order 43 — R 299
High — 12

130 V at 18 C

2512 7
4900 R

200 | 3002 7
150

Feb. 7, 1881.
Order 43 – R 296
110 V – 4

130 V

25127
3300 R

200 | 21827
109

48 C

Feb. 9, 1881.
Order 156 – R 340
No. 6

111.34 Volts. – 48 C.

12560
5200

200 | 17760 / 88
1600
1760
1600
160

90
88
2 Ohms inserted.

130
89
1170
880

111 | 9970 / 89
888
1090
999
91

Feb. 9, 1881.
Order 156—R 365
No. 9

104.62 Volts.

```
      18840
      5700
200/24240/121
    200
     424
     400
      240
      200
       40

      121
      130
     3630
     121
105/1573 0/149
    105
     523
     420
     1030
     945
      85
```

```
150
121
29 Ohms inserted.
```


Feb. 9, 1881.
Order 156—R 390
No. 3

111.34 V

```
      12560
      6200
200/18760/93
    1800
     760
     600
     160

     130
      94
     520
    1170
111/12220/110
    111
     112
     111
      10
```

```
110
94
6 Ohms inserted.
```

Feb. 9, 1881.
Order 143 – R – 299
High – 12

130.27 V – 38 C.

```
      18840
      9700
200/28540/142
    200
     854
     800
      540
      400
      140

      130
      143
      390
     520
    130
130/18590/143
    130
     559
     520
      390
      390
```


Feb. 9, 1881.
Order 156 – R 375
No. 4

114.75 V

```
200/18700/93 R
    1800
      700
      600
      100

      130
      94
      520
     1170
130/12220/94
    1170
     520
     520
```

Feb. 9, 1881.
Order 156—R385
No. 1

114.75

18840
800

200/19640/98
18000
1640
1800
40

48

130
98
1040
1170
115/12740/110
115
124
115
90

111
98
3 Ohms inserted.

Feb. 9, 1881.
Order 156—R410
No. 8

111.34

12560
5800

200/18360/91
18000
360
200
160

48

130
92
260
1170
111/11960/107
111
860
777
83

108
92
16 Ohms inserted.

Feb. 9, 1881.
Order 156 – R390
No. 3

114.75 V

12560
60000 R

18560

48 C

200/18560/92
1800
560
400
160

130
93
390
1170
115/12090/105
115
590
575
15

105
93
12 Ohms inserted

Feb. 9, 1881.
Order 156 – R340
No. 6

109.35 V

12560
54000 R

200/17960/89
1600
1860
1800
160

48 C

106
90
16 Ohms inserted.

130
89
1170
1040
109/11570/106
109
670
654
16

Feb. 9, 1881.
Order 156 — R 365
No. 9

108. ✓

12560
6 500 R

200 / 19060 / 95
15 000
10660
10 000
660

130
96
780
1170

108 / 12480 / 115
108
168
108
600
540
60

166
96
20 Ohms inverted.

Feb. 15, 1881.
Order 145 — R 325
3

1205 ✓ C 1r

25127 R
8000

200 / 33127
165 127/200

166
130
4980
166

130 / 21580 / 166
130
858
780
780
780

Feb. 15, 1881.
Order 145 – R300
8

130 ✓ 25 ✓

25127
3000 R

200 / 2 8 6 2 7 / 143
2 0 0
8 6 2
8 0 0
6 2 7
6 0 0
2 7

143
130

Feb. 15, 1881.
Order 140 – R345
No. 12

130 ✓ 23 ✓

25127
8000 R

200 / 3 3 1 2 7 / 165
2 0 0 0
1 3 1 2
1 2 0 0
1 1 2 7
1 0 0 0
1 2 7

Feb. 15, 1881.
Order 140 — R 275
No. 13

130 ✓

broken

Feb. 15, 1881.
Order 130 — R 175
No. 75

112.72 ✓

48 ✓

18540

Good

```
200 | 1 9 1 4 0 | 95
      1 8 0 0
        1 1 4 0
        1 0 0 0
          1 4 0

  130
   96
  780
 1170
113 | 1 2 4 8 0 | 110
      1 1 3
        1 1 8
        1 1 3
          5 0

  111
   96
   15 Ohms inserted.
```

Feb. 15, 1881.
Order 158 – R
No. 1

120.15

48

18540
2100

200/2 09 40/104
200
940
800
140

105
130
3150
105

120/13650/113
120
165
120
450
360
90

114
105
9 Chimes inserted.

Feb. 15, 1881.
Order 158 – R
No. 2

121.50

48

18540
6100

200/2 49 40/124
200
494
400
940
800
140

125
130
3750
125

122/16250/133
122
405
366
390
366
24

133
125
8 Chimes inserted.

Feb. 15, 1881.
Order 158-R
No. 3

111.34 ✓

48 e

18840 R
20000

200 / 20840 / 104
2000
840
800
40

104
130
3120
104
111 / 13520 / 121
111
242
222
200
111
89

122
104
18 Ohms inserted.

Feb. 15, 1881.
Order 158-
No. 4

114.75 ✓

48 e

18840 R
39000

200 / 22740 / 113
2000
2740
2000
740
600
140

114
130
6420
114
115 / 14820 / 128
115
332
230
1020
920
100

129
114
15 Ohms inserted.

Feb. 15, 1881.
Order 158-R
No. 5

130 ✓

31 C

25127
2900 R

200 / 28927 / 140
200
802
800
27

Feb. 15, 1881.
Order 158-
No. 6

12150 ✓

45 C

18540
2800 R

200 / 21640 / 108
200
1640
1600
40

108
130
3240
108
122 / 14040 / 115
122
184
122
620
610
10

115
108
7 Ohms inserted.

Feb. 15, 1881.
Order 158
No. 7

118.12 V

48 C

18540
3500 R

200/22340/111
200
284
200
340
200
140

112
130
3360
112
118/14560/123
118
276
236
400
354
46

123
112
11 Ohms inserted.

Feb. 15 1881.
Order 138 – R285
1100 — 28

124.835

48 C

18840
4100 R

200/22940/114
200
294
200
940
800
140

115
130
3450
115
125/14950/119
125
245
125
1200
1125
75

120
115
5 Ohms inserted.

Feb. 15, 1881.
Order 157–
No. 10

111.34 ✓

48 ✓

12560
4700

200 / 17260 / 86
16000
1260
1200
60

87
130
2610
87
111 / 11310 / 101
111
210
111
99

102
87
15 Ohms inserted.

Feb. 15, 1881.
Order 157–
No. 11

110.02 ✓

48 ✓

12560
4300

200 / 16850 / 84
16000
850
800
60

85
130
2550
85
110 / 11050 / 100
110
50

111
85
16 Ohms inserted.

Feb. 15, 1881.
Order 157-R
No. 12

116.10 V
45 C

18540 R
300

200 / 19140 / 95
1800
1140
1000
140

96
130
2880
96

186 / 12480 / 107
116
880
812
68

108
96
12 Ohms inserted.

Feb. 15, 1881.
Order 157
No. 13

113.40 V
48 C

12560 R
5700

200 / 17660 / 88
1600
1660
1600
60

89
130
2670
89

113 / 11570 / 102
113
270
226
44

102
89
13 Ohms inserted.

Feb. 15, 1881.
Order 157
No. 14

121.505
48 C

18540
1700 R

200/20540/102
200
540
400
140
110
103
7 Ohms inserted.

103
130
3090
103
122/13390/109
122
1190
1098
92

Feb. 15, 1881.
Order 157
No. 15

109.35 ✓
48 C

~~2880/40~~

12560
4500 R

200/17060/85
16000
1060
1000
60

86
130
2580
86
109/11180/102
109
280
218
62
103
86
17 Ohms inserted.

Feb. 15, 1881.
Order 157
No. 16

111.34 V

48 C

12560
3200

200/1576 0/78
1400
1760
1600
160

78
130
2370
79
111/10270/92
999
280
222
58

93
79
14 Ohms inserted.

Feb. 15, 1881.
Order 157
No. 17

111.34 V

48 C

12560
4000

200/1736 0/86
1600
1360
1200
160

87
130
2610
87
111/11310/101
111
210
111
99

102
87
15 Ohms inserted.

Feb. 15, 1881.
Order 157–
No. 9

111.34 V

48 C

12560 R
5100 R

200 / 12660 / 88
1600
1660
1600
60

88
130
2670
89

111 / 11570 / 104
111
470
444
26

104
89
15 Ohms inserted.

Feb. 15, 1881.
Order 157–
No. 8

111.34 V

48 C

12560 R
3500 R

200 / 16060 / 80
1600
60

81
130
2430
81

111 / 10530 / 94
999
540
444
96

95
81
14 Ohms inserted.

Feb. 15, 1881.
Order 157 –
No. 7

111.34 V

48 C

12560
3700

200/1626 0/81
16 00
2600
200
60

82
130
2460
82

111/10660/96
999
670
666
4

96
82
14 Ohms inserted.

Feb. 15, 1881.
Order 157 –
No. 6

111.34 V

48 C

12560
4000

200/1656 0/82
16 00
560
400
160

83
130
2490
83

111/10790/97
999
800
777
23

97
83
14 Ohms inserted.

Feb. 15, 1881.
Order 157 –
No. 5

113.40 V

48 e

12560
5400

200 / 17960 / 89
16000
1960
1800
160

90
130
2700
90
113 / 11700 / 103
113
400
339
61

184
90
14 Ohms inserted.

Feb. 15, 1881.
Order 157 –
No. 4

114.75 V

48 e

12560
5100

200 / 17660 / 88
16000
1660
1600
60

81
130
2430
81
115 / 12530 / 91
1035
180
115
65

92
89
3 Ohms inserted.

Feb. 15, 1881.
Order 157–
No. 3

114.84 V

48 C

12560
5000

200/17560/88
1760
1600
160

89
130
2670
89
111/11570/104
111
470
444
26

105
89
16 Ohms inserted.

Feb. 15, 1881.
Order 157–
No. 2

113.40 V

48 C

12560
5000

200/17560/87
1600
1560
1400
160

88
130
2640
88
113/11440/101
113
140
113
27

101
88
13 Ohms inserted.

Feb. 15, 1881.
Order 157-
No. 1

114175 V
45 C

12560
6600 R

200/19160/95
1800
1160
1000
160

96
120
2880
96
115/12480/108
115
980
920
60

109
96
13 Ohms inserted.

Feb. 15, 1881.
Order 146 - R 280
No. 15

1800 V
35 C

18840
7800 R

200/26640/133
2000
664
600
640
600
40

133
130
3990
133
139/17290/133
130
429
390
390
390

133

Feb. 15, 1881.
Order 146 – R 280
No. 13

130 V

~~45 C~~

35 C

18540
8000 P

200/2684.0/134
2000
134 / 130 / 4020 / 134 / 130 / 442 / 390 / 520 / 520
6684
6000
840
800
40

130/17420/134
130
442
390
520
520

Feb. 15, 1881.
Order 37 – R 235
No. 17

124.53 V

45 C

18540
2800 P

200/21640/108
2000
1640
1600
40

108 / 130 / 3240 / 108 / 125/140.40/112 / 125 / 154 / 125 / 290 / 250 / 40

112
108
.4 Chines inserted.

Feb. 15, 1881.
Order 37 – R 230
No. 18

121.50 V

48 C

18840
900 R

200 / 19740 / 98
1800
1740
1600
140

98
130
2970
99
122 / 12870 / 105
122
670
610
60

106
98
7 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 210
105½ V – 13

119.47 V

18840
2700 R

48 C

200 / 21540 / 107
200
1540
1400
140

108
130
3240
108
119 / 14040 / 117
119
214
119
950
833
117

118
108
10 Ohms inserted.

Feb. 15 1881.
Order 192 – R 210
103½ V – 12

117145 V

18540 V
200 R

48 C

200 | 19140 | 95
1800
1140
1000
140

96
130
2880
96
117 | 1280 | 106
117
780
702
78

107
96
11 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 200
106 V – 19

120.15 V

18540
8150 R

48 C

200 | 21940 | 109
200
1940
1800
140

110
130
3300
110
120 | 1430 | 119
120
230
120
1100
1080
20

119
110
9 Ohms inserted.

Feb. 15, 1881.
Order 192 — R 195
104½ V — 14

119.47 V

18840
2000 R

4 R e

200) 208 40 / 104
200
8 40
8 00
40

104
130
3120
104

119) 1352 0 / 113
119
162
119
430
357
73

114
104
10 Ohms inserted.

Feb. 15, 1881.
Order 192 — R 205
100½ V — 8

118.12 V 4 R e

18840
5000 R

200) 193 40 / 96
18 00
13 40
12 00
1 40

97
130
2910
97

118) 1261 0 / 106
118
810
708
102

107
97
10 Ohms inserted.

Feb. 15, 1881.
Order 192 – R200
107½ U – 18

120.15 ∨ 48 e

18840
2500 R

200 / 2 1 3 4 0 / 106
200
1 3 4 0
1 2 0 0
1 4 0

107
130
3210
107
120 / 1 3 9 1 0 / 115
120
191
120
710
600
110

116
107
9 Ohms inserted.

Feb. 15, 1881.
Order 192 – R195
110 U – 22

121.50 ∨ 48 e

18840
1600 R

200 / 2 8 4 4 0 / 102
200
4 4 0
4 0 0
40

102
130
3060
102
122 / 1 3 2 6 0 / 108
122
1060
976
84

109
102
7 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 300
109 V – 9.

118,112 √ 48 C

18840
3000 R

200 / 21840 / 109
200
1840
1800
40

109
130
3270
109
118 / 14170 / 120
118
237
236
10

120
109
11 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 345
105½ V – 18

118,112 √ 48 C

18840
2500 R

200 / 21340 / 106
200
1340
1200
140

107
130
3210
107
118 / 13910 / 117
118
216
118
930
826
104

118
107
11 Ohms inserted.

Feb. 15, 1881.
Order 192 — R 200
101 U — 4

115,435 48e

18840
1200 R

200 / 20040 / 100
200
40

100
130
3000
100
115 / 13000 / 113
115
150
115
350
345
5

113
100
13 Ohms inserted.

Feb. 15, 1881.
Order 192 — R 215
105 U — 5

118,125 48e

18840
2500 R

200 / 21340 / 106
200
1340
1200
140

107
130
3210
107
118 / 13910 / 117
118
216
118
930
826
104

118
107
11 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 325
105½ V – 6

120.15 V 48 e

18840
1500 R

200 / 2033 / 40 / 101
200
340
200
140

102
130
3060
102
120 / 13260 / 110
120
126
120
60

111
102
9 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 200
100½ V – 1

120.15 V 48 e

18840
470 V R

200 / 23590 / 117
200
359
200
1590
1400
190

118
130
3540
118
120 / 15340 / 127
120
3340
2700
9400
8400
1000

128
118
10 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 205
99½ V – 8

114.75 V 48 e

18840 R
1200

200/2000 4040/100
200
40

100
130
3000
100
115/3000/113
115
150
115
350
345
5

113
100
13 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 205
103½ V – 7

116.10 V 48 e

18840 R
2300

200/21140/105
200
1140
1000
106
140
130
3180
106
116/13780/118
116
218
116
1020
928
92

119
106
13 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 210
98½ V – 14

118.12 V . 48 C

18840
1200 R

200/20 0 4 0/100
200
40

100
130
118/13000/110
118
120
118
20

110
100
10 Ohms inserted.

Feb. 15, 1881.
Order 192 – R 236
109½ V – 21

124.83 V . 48 C

18840
4900 R

200/23740/118
200
374
200
1740
1600
140

119
130
3570
119
125/15470/123
125
297
250
470
375
95

124
119
5 Ohms inserted.

Feb: 15, 1881.
Order 192 — R 215
101 U — 5

120.155 48 e

18840
2500 R

200/2134 0/106
200
1340
1200
140

107
130
3210
107
120/13910/115
120
191
120
710
600
110

116
107
9 Chins inserted

Feb: 15, 1881.
Order 192 — R 205
100½ U — 25

116.105 48 e

18840
2100 R

200/2094 0/104
200
940
800
140

105
130
3150
105
116/13650/117
116
205
116
890
812
78

118
105
13 Chins inserted.

Feb. 15, 1881.
Order 192 – R195
100 V – 27

114.75 V 48C

18540
100 R

200/18940/94
18000
940
800
140

95
130
2850
95
115/12350/107
115
850
805
45

107
96
11 Chains inserted.

Feb. 15, 1881.
Order 192 – R355
104½ V – 29

12.150 V 48C

18540
2400 R

200/21240/106
2000
1240
1200
40

106
130
3180
106
122/13780/112
122
158
122
360
244
116

113
106
7 Chains inserted.

Feb. 15, 1881.
Order 35-R265
188V-8

126190 V 4R

18840
7200 R

200/26940/130
200
604
600
40

130
130
3900
130
127/16900/133
127
420
381
390
381
9

133
130
3 Ohms inverted.

Feb. 15, 1881.
Order 35-R360
114½V-25

130V, 33C

25127 R
3700

200/28827/144
200
882
800
827
800
144 27
130
4320
144
130/18720/144
130
572
520
520
520

Feb. 15, 1881.
Order 35 – R 325
106½ U – 1

124,835 48e

18840 VR
3900

200 / 22740 / 113
200
274
200
740
600
140

114
130
3420
114
125 / 14820 / 118
125
232
125
1070
1000
70

119
114
5 Chains inverted.

Feb. 15, 1881.
Order 35 – R 235
108½ U – 24

124235 48e

18840 R
4800

200 / 23640 / 118
200
364
200
1640
1600
40

118
130
3540
118
124 / 15340 / 123
124
294
248
460
372
88

124
118
6 Chains inverted.

Feb. 15, 1881.
Order 35-R 315
102 8 - 28

113,405 48 e

18840
4500

200/2 3 3 4 0/116
2 0 0
3 3 4
2 0 0
1 3 4 0
1 2 0 0
1 4 0

135
117
18 Ohms inserted.

117
1 3 0
3 5 1 0
1 1 7

113/1 5 2 1 0/134
1 1 3
3 9 1
3 3 9
5 2 0
4 5 2
6 8

Feb. 15, 1881.
Order 35-R 210
108 1/2 8 - 12

121,505 48 e

18840
5500

200/2 4 3 4 0/121
2 0 0
4 3 4
4 0 0
3 4 0
2 0 0
1 4 0

130
122
8 Ohms inserted.

122
1 3 0
3 6 6 0
1 2 2

122/1 5 8 6 0/130
1 2 2
3 6 6
3 6 6
0

Feb. 15, 1881.
Order 35 – R 190
104 U – 18

122.85 V 48 C

18840
5000 R

200 / 238 40 / 119
200
384
200
1840
1800
40

119
130
3570
119
123 / 15470 / 125
123
317
246
710
615
95

126
119
7 Chins inserted.

Feb. 15, 1881.
Order 35 – R 335
High – 20

120 V 26 C

18840
7000 R

200 / 258 40 / 129
200
584
400
1840
1800
40

129
130
3870
129
130 / 16770 / 129
130
377
260
1170
1170

Feb. 15, 1881.
Order 35-R315
105U-30

R22.85U48

18840
8200 R

200/22040/110
200
204
200
40

110
130
3300
100
123/143000/116
123
200
123
770
738
32

116
110
6 Chums inserted.

Feb. 15, 1881.
Order 35-R350
106½U-20

R6.905U48

18840
5200 R

200/24040/120
200
404
400
40

120
130
3600
120
127/15600/122
127
290
254
360
254
106

123
120
3 Chums inserted.

Feb. 18, 1881.
Order 205-
94 U-1 +

101.25 U Bulwark Chip
C48

12560
5700

200/18360/91
1800
360
200
160

118
92
26 Chines inserted.

92
130
2760
92
101/11960/118
101
186
101
850
808
42

Feb. 18, 1881.
Order 205- +
184½ U-21

120.82 U C50

18840
[illegible]

200/22140/110
200
214
200
140

111
130
3330
111
121/14430/119
121
233
121
1120
1089
31

119
111
8 Chines inserted.

Feb. 18, 1881.
Order 150 – R 520
102 U – 4

114.75 V 48 C

18549 Ω
35 00

200/2234 0/111
200
234
200
340
200
140

112
130
3360
112
115/14560/126
115
306
230
760
690
70

127
112
15 Ohms inserted.

Feb. 18, 1881.
Order 150 – R 480
104½ U – 10

118.12 V 48 C

18549 Ω
21 00

200/2094 0/104
200
940
800
140

105
130
3150
105
118/13650/115
118
185
118
670
590
80

116
105
11 Ohms inserted.

Feb. 18, 1881.
Order 150 – R500
111U – 27

118.125 48 U

18840
25 U 0

200/2134 0/106
200
1340
1200
140

107
130
3210
107
118/13910/117
118
216
118
930
826
104

118
107
11 lines inserted.

Feb. 18, 1881.
Order 205 –
94U – 19 B +

104.62 U 48

12560
74 U 0

200/1996 0/99
1800
1960
1800
160

100
130
105/13000/123
105
250
210
400
315
85

124
100
24 lines inserted.

Feb. 18, 1881.
Order 205-91½U
7 +

106.65U 48 C

12560
7100

200/1966 0/98
1800
1660
1600
60

99
130
2970
99
107/12870/120
107
217
214
30

120
99
21 Chums inserted.

Feb. 18, 1881.
Order 205 +
95U-3

~~12560~~

106.65U 48
12560
5400

200/17960/89
1600
1960
1800
160

90
130
2700
90
107/11700/109
107
1000
963
37

109
90
19 Chums inserted.

Feb. 18, 1881.
Order 205
97½ V-12 X

105.88 V 48 Ω

12560
6800 P

200 / 18860 / 94
1800
560
800
60

95
190
2850
95

106 / 12350 / 116
106
175
106
690
636
54

117
95
22 Ohms inserted.

Feb. 18, 1881.
Order 205-
95 V-19 X

104.62 V 48 Ω

12560
6400 P

200 / 18860 / 94
1800
960
800
160

95
190
2850
95

105 / 12350 / 117
105
185
105
800
735
65

118
95
23 Ohms inserted.

Feb. 18, 1881.
Order 205 - +
96U-25

102605 48C
12560
6200

200/18760/93
1800
760
6000
160

94
190
2820
94
103/12220/118
103
192
103
890
824
66

119
94
25 Ohms inserted.

Feb. 18, 1881.
Order 205 - +
96U-13

103275 48C
12560

200/18060/90
1800
60

91
130
2730
91
103/11830/114
103
153
103
500
412
88

115
91
24 Ohms inserted.

Feb. 18, 1881.
Order 205-
98 V-11

109.800 ~~4~~ e

12560
6700 R

200/19260/96
1800
1260
1200
60

97
130
2910
97

116
97
19 Ohms inserted.

109/12610/115
109
171
109
620
575
75

Feb. 18, 1881.
Order 205- +
97½ V-5

109.355 V

12560
6000 R

200/18560/92
1800
560
400
160

93
130
2790
93

111
93
18 Ohms inserted.

109/12090/110
109
119
109
100

Feb. 18, 1881.
Order 205 - +
98½ V - 17

109,350 48 e

~~10,~~ 12560
9200 R

200 / 21660 / 108
200
1660
1600
60

109
130
3270
109
109 / 14170 / 130
109
327
327
0

130
109
21 Chins inverted.

Feb. 18, 1881.
Order 202
107½ V - 1

112,72V 48 e

12560
9200 R

200 / 21860 / 109
200
1860
1800
60

110
130
3300
110
113 / 14300 / 126
113
300
226
740
678
62

127
110
17 Chins inverted.

Feb. 18, 1881.
Order 202
110 U – 13

118.12 U 48 C

18840
5900 R

200 / 24740 / 123
200
474
400
740
600
140

137
124
13 Ohms inserted.

124
130
3720
124

118 / 16120 / 136
118
432
354
780
708
72

Feb. 18, 1881.
Order 202
105 1/2 U – 12 B

118.12 U 48 C

18840
3400 R

200 / 22240 / 111
200
224
200
240
200
40

111
130
3330
111

118 / 14430 / 122
118
263
236
270
236
34

122
111
11 Ohms inserted.

Feb. 18, 1881.
Order 202 - 114½ V
12A

126.90 V 48 C

18840 R
4800

200/23640/118
200
364
200
1640
1600
40

118
130
3540
118
127/15340/120
127
264
254
100

128
118
10 Ohms inserted.

Feb. 18, 1881.
Order 202 - 118 V
20(B)

124.83 V 48 C

18840 R
3800

200/22140/110
200
214
200
140

111
130
3330
111
125/14430/115
125
193
125
680
625
55

116
111
5 Ohms inserted.

Feb. 18, 1881.
Order 202-107½ V
20(A)

118,12 V 48 C

```
 118 40
  29 00
200/21740/108
    200
     1740
     1600
      140

      109
      130
     3270
      109
118/1710/120
    118
     237
     236
       10
```

```
120
109
11 Ohms inserted.
```


Feb. 18, 1881.
Order 202-105½ V
30.

118,12 V 48 C

```
 118 40
  25 00
200/21340/106
    200
     1340
     1200
      140

     106
     130
    3180
     106
118/1380/116
    118
     198
     118
     800
     708
      92
```

```
117
107
10 Ohms inserted.
```

Feb. 18, 1881.
Order 202-106/2 V
3

120.115 V 48 C

14540
2300 R

200/2140/105
200
1140
1000
140

106
130
3,380
106
120/13780/114
120
178
120
580
480
100

115
106
9 Ohms inserted.

Feb. 18, 1881.
Order 202-111/2 V
11

126.22 V 48 C

14540
3300 R

200/2214 0/110
200
214
200
140

111
130
3330
111
126/14430/114
126
183
126
570
504
66

115
111
4 Ohms inserted.

Feb. 18, 1881.
Order 202-108 V
18 (B)

121.50 V 48 C

18840
1200 R

200/20140/100
200
140

101
130
3030
101
122/13130/107
122
830
854
76

108
101
7 Ohms inserted

Feb. 18, 1881.
Order 202-109 V
18 (A)

118.12 V 48 C

18840
1400 R

200/20240
101 40
200

101
130
3030
101
118/13130/111
118
133
118
150
118
32

111
101
10 Ohms inserted.

Feb. 18, 1881.
Order 202-109 V
2 (B)

124.835 48 e

18840
5200 R

200 / 24040
120 40
200

120
130
3600
120
125 / 15600 / 124
125
310
250
600
500
100

125
120
5 Ohms inserted.

Feb. 18, 1881.
Order 202-109 V
2 (A)

121.505 48 e

18840
3200 R

200 / 22040 / 110
200
2040
2000
40

110
130
3300
110
122 / 14300 / 117
122
210
122
880
854
26

117
110
7 Ohms inserted.

Feb. 18, 1881.
Order 202-111V
7(A)

124.88V 48e

18840
3400 R

200/22240/
111 40
200

111
130
3330
111
125/14430/115
125
193
125
680
625
55

116
111
5 Ohms inserted.

Feb. 18, 1881.
Order 202-106V
7(B)

111.34V 48e

18840
1600 R

200/20440/
102 40
200

102
130
3060
102
111/13260/119
111
216
111
1050
999
51

120
102
18 Ohms inserted.

Feb. 18, 1881.
Order 202 - 106 1/2 C
17

111.345 48 C

18840 R
400

200 / 22840
114 40
200

114
130
3420
114
111 / 14820 / 133
111
372
333
390
333
57

134
111
23 Chums inserted.

Feb. 18, 1881.
Order 202 - 104 1/2 C
5

118.125 48 C

18840 R
3000

200 / 218440
109 40
200

109
130
3270
109
118 / 14170 / 120
118
237
236
10

120
109
11 Chums inserted.

Feb. 18, 1881.
Order 202 – 102½ V
24 (B)

114.075 48 C

18840
9000 R

200 / 19740
98 140/200

99
130
29.70
99

114 / 12870 / 112
114
147
114
330
228
102

113
99
14 Ohms inserted.

Feb. 18, 1881.
Order 202 – 107½ V
24 A

120.155 48 C

18840
2200 R

200 / 21040
105 40/200

105
130
3150
105

120 / 13650 / 113
120
165
120
450
360
90

114
105
9 Ohms inserted.

Feb. 18, 1881.
Order 202 — 118½ V
6 D

124183 V 48 C

18540
4200

200 / 23040
115 40
200

115
130
3450
115

125 / 14950 / 119
125
245
125
1200
1125
75

120
115
5 Ohms inserted.

Feb. 18, 1881.
Order 202 — 107 V
6 (C)

119.47 V 45 C

18540
3000

200 / 21840
109 40
200

109
130
3270
109

119 / 14170 / 119
119
227
119
1080
1071
9

119
109
10 Ohms inserted.

Feb. 18, 1881.
Order 202-102V
6(B)

118.12V 48e

18840
4200 R

200/23040
115 40
200

115
130
3450
115
118/14950/126
118
315
236
790
708
82

127
115
12 Ohms inserted.

Feb. 18, 1881.
Order 202-110V
6(A)

121.50V 48e

18840
3780 R

200/22540
112 140
200

113
130
3390
113
122/14690/120
122
249
244
50

121
112
9 Ohms inserted.

Feb. 18, 1881.
Order 202 – 110 V
29

121.50 V 48 C

18840
2200 R

200 / 21040
105 40/200

105
130
3150
105
122 / 13650 / 111
122
145
122
230
122
108

112
105
7 Ohms inserted.

Feb. 18, 1881.
Order 202 – 111 V
30

121.50 V 48 C

18844
2700 R

200 / 21544
102 144/200

102
130
3060
102
122 / 13260 / 108
122
1060
976
84

109
103
6 Ohms inserted.

Feb. 18, 1881.
Order 202-120 V
27

120 V 48 C

18840
5000
R

200 / 23 8 4 0
119 40
200

119
130
3570
119
130 / 25470 / 119
130
247
130
1170
1170

Feb. 18, 1881.
Order 202-High.
22 A

No Vac. Wind up

Feb. 18, 1881.
Order 202 - 106 V
9 (B)

116.105 V 48 C

18840
700 R

200 / 19540
97 140
200

98
130
2940
98

116 / 12740 / 109
116
1140
1044
96

110
98
12 Ohms inserted.

Feb. 18, 1881.
Order 202 - 107½ V
9 (A)

120.15 V 47 C

18840
1800 R

200 / 20640
103 40
200

103
130
3090
103

120 / 13390 / 111
120
139
120
190
120
70

112
103
9 Ohms inserted.

Feb. 18, 1881.
Order 202 – 111 V
14B

126.90 V 48 C

18840
3200

200 | 22040

110 R

190
3300
110
127 | 143000 / 112
127
160
127
330
254
76

113
110
3 Ohms inserted.

Feb. 18, 1881.
Order 202 – 106½ V
14A

121.50 V 48 C

18840
1200 R

200 | 20040
100 40
200

100
130
3000
100
122 | 13000 / 106
122
800
732
68

107
100
7 Ohms inserted.

Feb. 18, 1881.
Order 202 – 107½ V
23 B

120.82 V 48 C

1840 V
2800 R

200 / 21 6 40
108 40/200

108
130
3240
108
121 / 14040 / 116
121
194
121
730
726
4

116
108
8 Ohms inserted.

Feb. 18, 1881.
Order 202 – 114½ V
23 A

127.57 V 48 C

1840 V
4300 R

200 / 23 1 40
115 140/200

116
130
3480
116
128 / 15080 / 117
128
228
128
1000
896
104

118
116
2 Ohms inserted.

Feb. 18, 1881.
Order 202-110 V
26

121.50 V 48 C
18840
26000 R

```
200/21440
    107 40/200
```

```
107
 130
3210
 107
122/13910/114
    122
     171   114
     122   107
      490
      488
        2
```

7 Ohms inserted.

Feb. 18, 1881.
Order 202-114 V
10 B

124.20 V 45 C
18840 R
4900 R

```
200/23740
    118 140/200
```

```
119
 130
3570
 119
124/15470/124
    124
     307
     248
      590
      496
       94
```

125
119
6 Ohms inserted.

Feb. 18, 1881.
Order 202-107 U
10A

118.80 v 48 e

200/14840 R
94 40/200

94
130
2820
94
119/12220/102
119
320
238
82

103
94
9 Ohms inverted.

Feb. 18, 1881.
Order 202-107 U
15(B)

119.47 v 48 e

18840
1200 R

200/200040
100 40/200

100
130
119/13000/109
119
1100
1071
29

109
100
9 Ohms inverted.

Feb. 18, 1881.
Order 202-92 V
15 A

104.62 V. 48 C

12560
6000 R

200/18560
92 160/200

93
130
2790
93
105/12090/115
105
159
105
540
525
15

115
93
22 Ohms inserted.

Feb. 18, 1881.
Order 202-103 V
48

114.75 V 48 C

12560
5300 R

200/17860
89 60/200

90
130
115/11700/101
115
200
115
85

102
90
12 Ohms inserted.

Feb: 18, 1881.
Order 202-99 1/2 V
4A

114.07 V 48 C

~~1500~~

12569
81 V
200 / 20660
103 60
200

104
130
3120
104
114 / 13520 / 118.
114
210
114
960
912
48

118
104
14 Ohms inserted.

Feb: 18, 1881.
Order 202-103 V
28

112.05 V 48 C

12560
840 V
200 / 20960
104 160
200

105
130
3150
105
112 / 13650 / 121
112
245
224
210
112
98

122
105
17 Ohms inserted.

Feb. 18, 1881.
Order 202-106 V
25

113.40 V 48 C

9000 V
12560 V

200 | 21560
107 160
200

108
130
3240
108
113 | 14040 | 124
113
274
226
480
452
28

124
108
16 Ohms inserted.

Feb. 18, 1881.
Order 202-107 1/2 V
22

113.40 V 48 C

9000 V
12560 V

200 | 21560
107 160
200

108
130
3240
108
113 | 14040 | 124
113
274
226
480
452
28

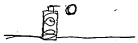
124
108
16 Ohms inserted.

Feb. 18, 1881.
Order 202 - 107 V
16 (B)

114.75 V. @ 48

12560
8000 R

200 / 20560
10 2 160
200

103
130
3090
103
115 / 13390 / 116
115
189
115
740
690
50

117
103
14 Ohms inserted.